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CLAIMS 1-31 ARE CANCELLED.

32. An illumination apparatus comprising:
an optical integrator which forms a plurality of light sources from a
light which is incident thereon from a light source; and
an optical member which is disposed in an optical path between
the light source and the optical integrator and which increases a fill ratio of the
plurality of light sources.
33. An illumination apparatus for illuminating an illumination surface,
comprising:
a light source;
an optical integrator which is arranged in an optical path between
the light source and the illumination surface and forms a plurality of light sources
from a light which is incident thereon from the light source; and
a diffractive element which is arranged in an optical path between
the light source and the optical integrator and is arranged at a conjugate position
of the illumination surface or near the conjugate position of the illumination
surface.

CLAIM 34 IS CANCELLED.

35. An illumination apparatus comprising:
a light source;
a diffractive element arranged in an optical path between the light
source and an illumination surface;
an optical member which is arranged in the optical path between
the light source and the illumination surface and has a plurality of optical surfaces
which are two-dimensionally arranged; and

CLAIMS 36 AND 37 ARE CANCELLED.